

# REMOTE REGULATION OF HYDRAULIC BRAKES

The speed of a BRK series hydraulic brake or an integrated hydraulic brake can be regulated via a precision flow regulator that is physically separated from the brake.

The regulator is connected to the brake via hydraulic hoses.

In this way the regulator can be placed in a position accessible to the operator, for example on a control panel.

The regulator is unidirectional, which means that the speed is regulated in one direction, e.g. at the piston rod extension

The speed in the other direction remains free. You can remote two regulators to control both directions of movement.

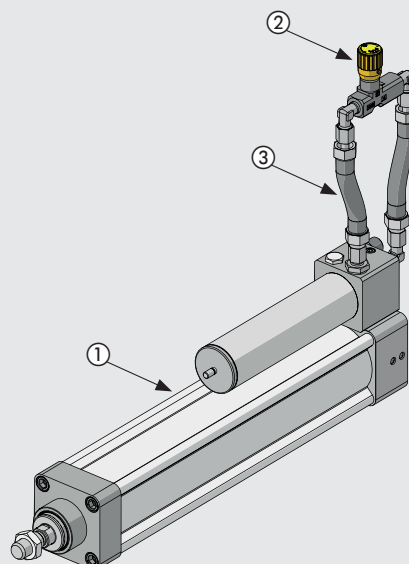
This solution is ideal for both the BRK series hydraulic brakes and the integrated hydraulic brakes.



TECHNICAL DATA	
The technical data of the <b>BRK series hydraulic brake</b> or the <b>integrated hydraulic brake</b> with connected remote regulator apply.	
Connection hose length	At the customer's choice. The following lengths are available in a reasonably short delivery time: 500, 1500, 2000, 3000
Minimum hose length	300
Speed regulation	Unidirectional. In case you need to regulate the brake remotely for both extension and retraction, two separate regulators are supplied and the number of hoses required is four.
Number of knob turns, from the closed position to fully open	11

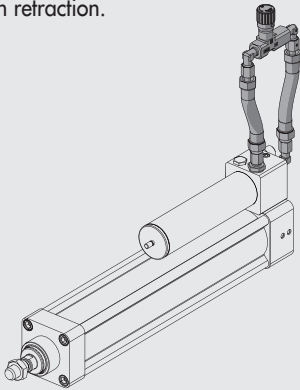
## COMPONENTS

- ① HYDRAULIC BRAKE: series BRK or INTEGRATED
- ② REGULATOR: precision, unidirectional
- ③ PIPE: hydraulic hose R7

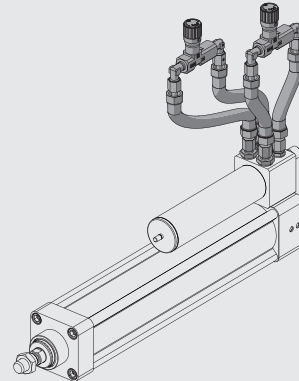


## VERSIONS

Remote regulation in extension.  
Remote regulation in retraction.

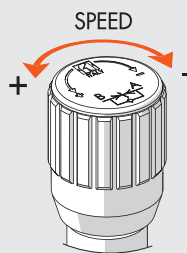


Remote regulation in both piston rod extension and retraction.

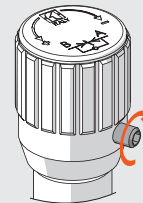


## SPEED REGULATION

The speed is reduced by screwing the knob; it increases by unscrewing it.



Once the regulation has been made, lock the knob in position by tightening the grub screw at the side.



## HOW TO ELIMINATE TORSIONAL DEFORMATION OF THE HOSE

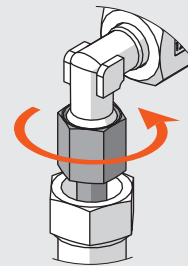
The operation must be done in the absence of pressure.

Unscrew the outer fitting by one or two turns.

Let the pipe settle in the most natural position.

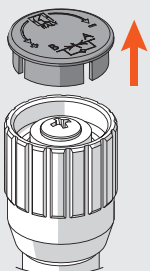
Tighten the fitting back on.

This operation applies to the fittings on the regulator side and those on the hydraulic brake side.

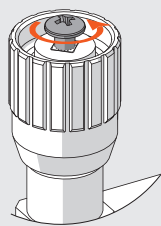


## PANEL MOUNTING

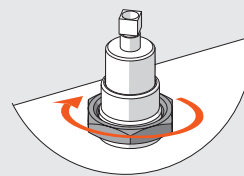
The assembly is supplied complete with a separate ring nut. In order to fit the ring nut, you need to remove the regulator knob.



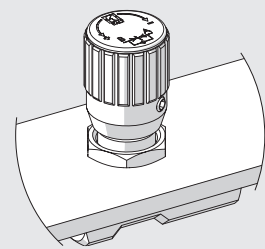
Remove the yellow cover of the knob, with the help of a cutter.



Unscrew the Phillips head screw.

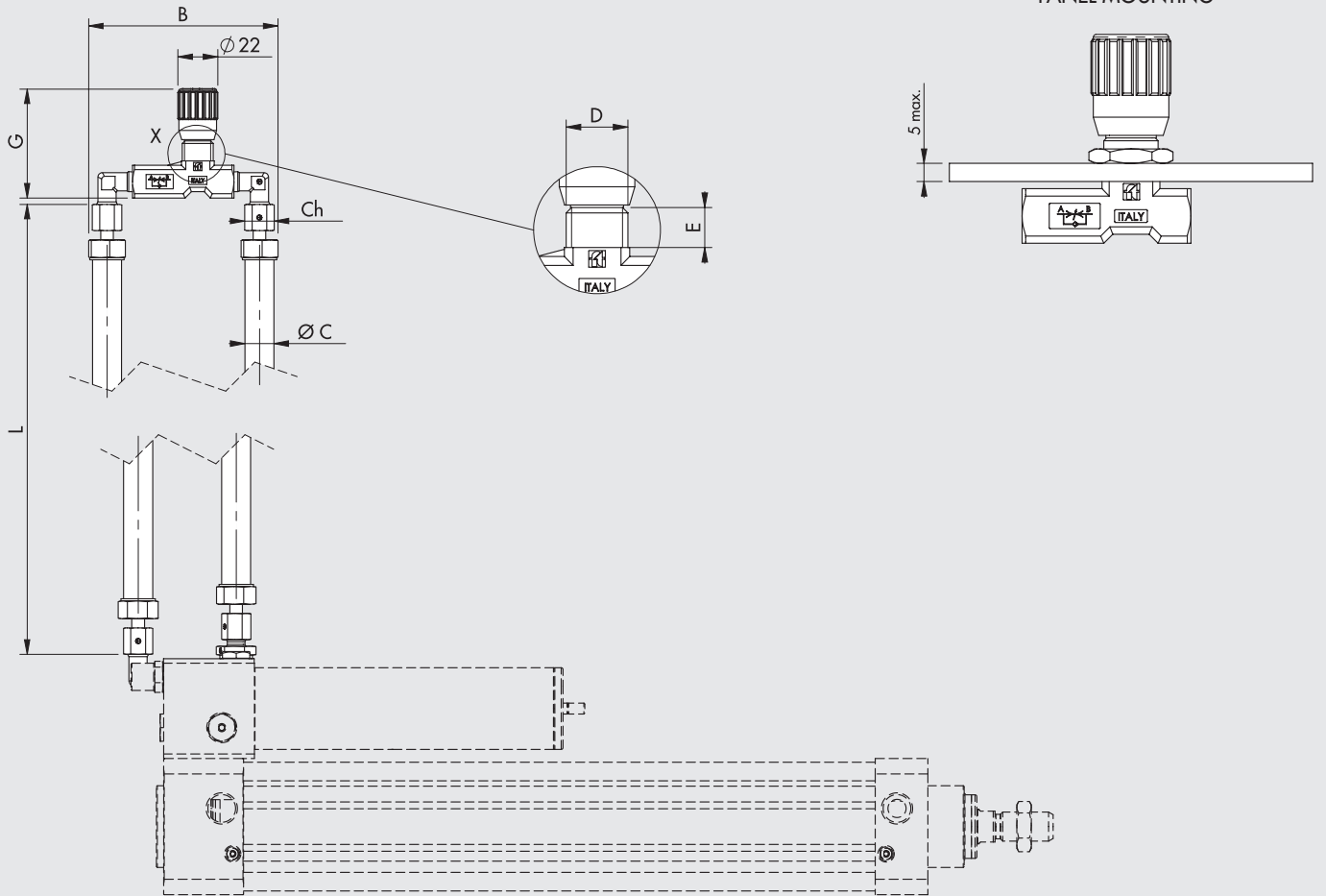


Pull out the knob.



Tighten the ring nuts and reassemble everything.

DIMENSIONS



Type of hydraulic brake	B	Ø C	D	E	Ch	G		L	Tube	Minimum radius of the tube
						min	max			
Hydraulic brake series BRK Ø 40, 63	100	12.2	M15x1	12	19	57	61.5	300 to 9999	R7 1/4 pmax 210 bar	35
Cylinder with integrated hydraulic brake Ø 50, 63, 80	85	9.6	M17x1	11	14	55	59	300 to 9999	R7 3/16 pmax 210 bar	25
Cylinder with integrated hydraulic brake Ø 100	100	12.2	M15x1	12	19	57	61.5	300 to 9999	R7 1/4 pmax 210 bar	35

KEY TO CODES

The product code is obtained by adding the type of execution and hose length to the hydraulic brake code

Code Hydraulic brake	R	0 3 0 0
	EXECUTION	PIPE LENGTH
R Remote regulation	Enter the length L [mm] of the hydraulic pipes in 4 digits (example 0500 for length 500)	

Example:

W1700010100R0500 Hydraulic brake series BRK Ø 40, stroke 100 mm, with regulation in extension only. Remote regulation in extension with hose length L = 500 mm  
 W173200A0500R2000 Integrated hydraulic brake Ø 50, stroke 500, with regulation in both extension and retraction. Remote regulation in both extension and retraction with hose length L = 2000 mm